

1. BOSC 2017 Nominations

Self Nomination:

Yes

Nominator Information

First Name

Last Name

Nominator Title

Street Address

City

State

Postal Code

Email Address

Phone Number

Mobile Phone

Nominee Information

First Name

Matthew

Last Name

Naud

Nominee Title

Environmental Coordinator

Street Address

Exemption 6

Employment Information

Place of Employment/Work:

City of Ann Arbor

Work Street Address

301 East Huron

Work City

Ann Arbor

Work State:

MI

Work Postal Code

48107

Work Phone Number

734-794-6430

Work Email Address

mnaud@a2gov.org

Sector

Local Government

Qualifications**Primary Area(s) of Expertise**

Urban Sustainability, Brownfield Redevelopment, Remediation, Stormwater Utility, Climate Adaptation, Energy Efficiency in Residential and Commercial Buildings, Watershed Management, Urban Forestry

Committee Preference(s)

Sustainable and Healthy Communities Subcommittee

Statement of Interest

As a member of local government, I bring a unique perspective to the research program at EPA. To often the feds work with the states who work with the locals. I have seen many cases in my 27 years of work with EPA and other groups that scientists can have a great idea but don't know how to reach out to the local end user. I believe my previous work on the BOSC has helped to bring that perspective to the ORD research program.

Skills/qualifications related to committee preference(s) specified

Matthew Naud is the Environmental Coordinator and an Assistant Emergency Manager for the City of Ann Arbor. He staffs the City's Environmental Commission and makes recommendations to the City Administrator, Mayor, and City Council on a broad range of sustainability issues. Mr. Naud is a member of the Urban Sustainability Director's Network where he serves on the Planning Committee, Innovation Committee, Rental Housing User Group, and Small Cities User Group. The Innovation Committee develops a strategic plan for \$800,000 in annual funding for collaborative grants among cities that create and disseminate innovation across US and Canadian member cities. In 2014, Mr. Naud was invited to Copenhagen as part of a Carbon Neutral Cities meeting organized by USDN and C40. Mr. Naud was appointed to a three year term on the USEPA Board of Scientific Counselors – Sustainable and Healthy Communities Subcommittee. The Board of Scientific Counselors (BOSC) provides advice, information, and recommendations to EPA's Office of Research and Development (ORD) on technical and management issues of its research programs. Mr. Naud has been a lecturer at the University of Michigan Taubman College of Architecture and Urban Planning where he taught graduate students Environmental Planning (UP502).

Other Relevant Information**CV/Resume URL****2. CV/Resume**

Please upload your CV/ Resume.

3.

BOSC Nomination

Jun 22, 2017 18:45:28 Success: Email Sent to: tracy.tom@epa.gov

4. Thank You for your Submission!

MATTHEW J. NAUD

1990	M.P.P.	Public Policy	University of Michigan
1985	M.S.	Biology	University of Michigan
1983	A.B.	Psychology	Boston College

<http://www.linkedin.com/in/mnaud>

<http://twitter.com/#!/grea2n>

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Recent projects include:

- Sustainability Action Plan – aligning key city projects in the two year budget with the Sustainability Framework
- Greening Rental Housing – Several coordinated projects working with landlords, city housing commission to explore inspection, education, and financing options to incent efficiency investments in rental properties as part of a \$250,000 HUD Sustainable Communities grant.
- Sustainability Framework – developed 16 sustainability goals approved as an element of the master plan as part of a \$95,000 Home Depot Foundation Grant.
- Supporting the city Environmental Commission – a 13-member Commission appointed by City Council to make recommendations on a wide variety of sustainability issues.
- Negotiating an agreement with DTE for a large (1.1-1.6 MW) solar installation at the city of Ann Arbor municipal airport.
- Representing local governments on the [MDEQ Criteria Stakeholder Advisory Workgroup](#) to provide recommendations to the MDEQ Director on Part 201 cleanup criteria.
- Developing a Health Impact Analysis with UM graduate students and the state of Michigan exploring the adaptation benefits of tree planting in low canopy vulnerable neighborhoods.
- Managing environmental remediation and closure of the city landfill site.

- Creating the City of Ann Arbor State of Our Environment Report – an on-line atlas of environmental goals and indicators for Ann Arbor.
- Invited speaker on climate change
- Developed an ordinance limiting phosphorus application from fertilizer. Three years of data show a statistically significant reduction in TP (11-23%)
- Support for Brownfield redevelopment projects ensuring that the city requirement to use a more restrictive cleanup standard than is required to ensure actual cleanup as opposed to institutional controls.
- Working with the Graham Environmental Sustainability Institute GLISA project on great lakes cities and climate adaptation
- Developing Master's projects with student teams; guest lecturing on sustainability; and hiring work-study and other interns.
- Coordinating with the MDEQ and other local units of government on the Pall Gelman 1,4 Dioxane contamination.

Recent climate adaptation workshops and presentations include:

- Adaptation in the Great Lakes Region Conference
 - Speaker - GLISA – June 2014 – Ann Arbor, MI
- Climate Adaptation and Mitigation Nexus – USDN/C40/Kresge Foundation
 - Participant and Speaker – May 2014 - Copenhagen, Denmark
- State of the Huron Conference 2014
 - Panel Moderator - Science and Policy – No Longer Business As Usual –
 - the Huron in a Changing Climate
- Forwarding Adaptation in the Great Lakes Region
 - Institute for Sustainable Communities –November 2012 – Ann Arbor, MI
- Climate Change Fellow – Indonesia
 - ICMA/US State Department – March 2012
- New Delhi International Conference on Cities and Climate Change
 - Speaker - New Delhi, India, February 2011
- Climate Adaptation and Resilience Climate Leadership Academy
 - Institute for Sustainable Communities – September 2010 – Boston, MA

Much of this work is centered on identifying ways to incorporate sustainability into local government organizations and actions. Mr. Naud also supports the City of Ann Arbor Office of Emergency Management – acting as one of the alternate Emergency Managers in the city response hierarchy. Mr. Naud has participated in the design and implementation of local exercises including a hostage and WMD incident at a local public school. Mr. Naud also responded to the bomb threat at city hall and the recent water main break.

Mr. Naud has a unique skill set that couples a strong science background with public policy analytical tools. He has 13 years of experience working for local government on sustainability and emergency management problems, 11 years of private and public sector environmental, emergency management, and transportation consulting experience; and 4 years of academic and industry molecular biology research experience.

Mr. Naud's previous environmental consulting work has supported several EPA offices (e.g., OSWER/CEPPO, ERD; OAR/OPAR, OMS) and other federal program offices and their projects to gather information efficiently,

verify information accuracy, analyze regulatory strategies and impacts, prepare concise reports, and develop information management tools.

ENVIRONMENTAL

COORDINATOR

City of Ann Arbor

2001 - Present

Matthew Naud is the Environmental Coordinator and an Assistant Emergency Manager for the City of Ann Arbor. Key projects include:

- **Solar installation** – coordinating with DTE energy to develop a 1.1-1.6 MW solar installation on the city airport.
- **Green Rental Housing** – The city of Ann Arbor managed \$250,000 of the Washtenaw County HUD Sustainable Communities grant to explore strategies to “green” rental housing.
- **Climate Resilient Communities** – participate in the Huron River Watershed Council project exploring climate adaptation in the following sectors: Water Infrastructure; In-stream Flows; Natural Infrastructure; and Hazard Mitigation
- **Climate Adaptation Videos** – Developed four [climate adaptation videos](#) using a \$12,500 grant from UM GLAA-C project.
- **Climate Mitigation/Adaptation Nexus (2014)** – Invited to participate in an international workshop in Copenhagen with C40 cities around deep carbon reductions
- **Rent Rocket** – a 14 city collaborative project funded by USDN developing a [web based tool](#) to link rental and energy costs.
- **First PACE Program in Michigan** – Part of the Ann Arbor team that developed [legislation](#), testified, and secured enactment of HB5640.
- **Sustainability Framework and Action Plan** – Secured \$95,000 grant from the Home Depot Foundation to develop a Sustainability Framework and Action Plan for Ann Arbor. Reviewing 26 plans and 226 goals to develop an integrated set of Goals, Targets, and Actions for the city.
 - [Sustainable Cities Institute City Profile](#)
- **Climate Action Plan** – supporting Ann Arbor Team developing an update to the [Climate Action Plan](#)
 - Participate with UM [GLISA](#) effort to develop downscale climate data for the area.
- **Health Impact Assessments** – Expanding Urban Tree Canopy as a Community Health Climate Adaptation Strategy: A [Health Impact Assessment](#) of the Ann Arbor Urban Forest & Community Management Plan
- **Urban Sustainability Director’s Network** – [USDN](#) core member and participate in Innovation, Regional Network, and Green Rental Housing Committees. Secured \$20,000 Innovation grant to develop the Midwest Regional Sustainability Network linking Michigan, Ohio, and Indiana.
- **2011/2012 ICMA/US Department of State Climate Change/Sustainability Professional Fellows Program** – hosted three fellows from Indonesia and participated in a reciprocal exchange for two weeks in Jakarta, Bogor, Yogyakarta, and Bali.
- **Michigan Green Communities Network** – Secured \$50,000 grant to foster a peer learning network among staff working on sustainability from across Michigan. The network holds monthly conference calls and has held 2 annual meetings
 - **Sustainable Communities Leadership Academy: Forwarding Adaptation in the Great Lakes Region (2012)**
- **MGP site remediation** – Coordinating with DTE energy to cleanup a manufactured gas plant site.
- **Institute for Sustainable Communities – Climate Leadership Academies**
 - [Sustainable Economic Development](#) – Team of 6 from Ann Arbor participated in Denver in this peer learning event around Sustainable Economic Development

- [Urban Sustainability](#) – Team of 2 participated from Ann Arbor
 - [Climate Adaptation](#) – Team of 5 participated from Ann Arbor participated in this peer learning event in Boston
 - [Faculty](#) – selected as faculty for Climate Leadership Academies in China.
- **CIP Metrics** – Developed 12 metrics used by each Capital Improvement Project including the extent to which each project furthers environmental goals and/or reduces energy or improves renewable energy generation.
- [Analysis of Garage Parking Use and potential GHG emissions](#) - 2011
- **Idling Ordinance** – Draft ordinance developed and awaiting Council action
- **UP505** – Lead Client for several graduate level projects – Green Rental Housing and Redevelopment of a Manufactured Gas Plant.
- **UP502** – Faculty for *Environmental Planning* at the Taubman College of Architecture and Urban Planning in Fall 2006
- **Brownfields** – Lead environmental staff supporting cleanup and redevelopment of properties. Ann Arbor requires source removal rather than paving over contamination. Project range from 600,000 sf redevelopment of 6 acre site to small infill developments.
- [Huron River and Impoundment Management Plan](#) (2006 – 2010) – Lead staff to an Environmental Commission Committee developing the first river [management plan](#) for Ann Arbor. Working with a broad cross-section of interested parties, developed research, analysis, and recommendations on managing aquatic vegetation, riparian buffers, harvesting options, cost/benefit analysis of dam retention and removal options. Developed materials for and presented options at three public meetings with over 350 attendees. Managed a web-page with documents for public review.
- **Landfill Contamination Modeling and Management** (2008-2009)– Directed modeling effort by contractors to re-evaluate the conceptual model for off-site contamination management at the City landfill. Developed a capture zone analysis that demonstrated more than adequate groundwater capture through existing system
- [State of Our Environment Report](#) (2007-present) – Developed web-based version of the city State of Our Environment report with 60 indicators organized around the city's 10 environmental goals. New indicators are developed and updated with available data.
- [Environmental Goals](#) – (2007) Developed 10 environmental goals for the city that have been adopted by the Environmental Commission and City Council
- [Manufactured Fertilizer Ordinance](#) – (2006) Developed scientific support and background documents, drafted ordinance with City Attorney Office. Adopted by the Environmental Commission and City Council. Three years of subsequent sampling demonstrate [statistically significant reductions in phosphorus loading](#) to the Huron River.
- **State of Our Environment Report** – 110 page atlas of information on city environmental issues. 2004
- [Green Fair](#) – Assist in organizing annual Green Fair to celebrate local non-profits, businesses, and governments working to improve the environment. Four blocks of Main street are closed one Friday evening in June each year. 2002 – Present
- **Issues of the Environment Radio Show** – WEMU – [PACE Programs](#), [Dams](#), [Phosphorus Fertilizer](#)
- **Guest Blogger** – [Concentrate - Sustainability](#) - 2011
- [TeeterTalk](#) with Homeless Dave 2007
- **Conferences**
 - #MICITIES 2014 - Rent Rocket: Crowdsourcing Rent and Utility Costs to Overcome Data Sharing Barriers
 - GLAA-C Adaptation in the Great Lakes Region (2014) - Integrating Adaptation into City Planning and Service Delivery

- GLAA-C webinar (2014) - The Intersection of Climate Change and Public Health
- Greenprints 2013 – Invited speaker on Sustainability Leadership models
- ICLEI - [New Delhi Conference on Cities and Climate Change](#) – Spoke at the conference about sustainability in Ann Arbor and potential for PACE programs in India – February 2011
- [Maumee River Basin conference](#) – October 2011 – Developing a local phosphorus ordinance
- University of Michigan - Moderator – [First Response to the Hurricane Katrina Disaster](#) 2005
- Video – Commission meetings and special public meetings are available on line at [CTN](#)
 - Environmental Commission Meetings – see Environmental Commission
 - Sustainability Framework Meetings – see Special Events
 - [Huron River Tour](#)
- **Environmental Indicators Articles** [Ann Arbor Chronicle](#) – (2009-2011) – Developed articles on a periodic basis for the Ann Arbor Chronicle describing selected environmental indicators ([Creeksheds](#), [Phosphorus](#), [Resource Use](#), [Trees](#)) to educate the public and prompt discussion.

Training

- ICS-100, 200, 300, 400, 700, 800
- Threat and Risk Assessment Course - 24 hours/May 2007
- Food borne Illness Table Top Exercise – 3.6 hours/December 2005
- Crisis Management: Exercising Leadership in Extraordinary Times – Harvard University Kennedy School – November 11-14, 2002
- Emergency Management Program Orientation – (8 hours/November 2002)

1999 - 2001

Two years of independent consulting experience working on or managing large quantitative or qualitative analytical projects for federal, state, or private sector clients.

1990 - 1999

Nine years of consulting experience managing large quantitative or qualitative analytical projects for public, non-profit, or private sector clients. Significant projects include:

- Developed emergency response plans for the Georgia Division of Public Health and training over 600 DPH and county staff.
- Supported EPA's Emergency Operations Center during the Kuwait Oil Fires and the Midwest Floods including six weeks in the Middle East supporting a multi-agency U.S. team.
- Supported DOE during Response 95 – a FEMA exercise of a hurricane hitting New Orleans
- Discussed market trends and historic price data with automotive catalyst providers and catalyst recyclers to provide EPA with a market summary and supply and demand econometric model for platinum group metals.
- Supported the EPA FACA workgroups on modeling, EPA laboratory upgrade, and in-use deterioration in addition to the Mobile Source Technical Review Subcommittee and the Clean Air Act Advisory Committee.
- Evaluated seasonal/episodic control programs (ozone action days) for the EPA Office of Mobile Sources.
- Audited transit facility drug and alcohol test programs for the Federal Transit Administration.
- Developed training curriculum and delivered this laptop based LandView GIS training to a multi-agency audiences in Washington D.C., Chicago, Denver, New York, and Edison, NJ.

A selection of these and other project descriptions follow.

1988 - 1990

Worked for the University of Michigan Office for the Vice President for Research supporting research and science funding projects. Prepared an analysis of the Highway Trust Fund that described the history of the fund and the potential use of this fund to support IVHS research. Interviewed staff on congressional committees and within federal departments such as DOT. Helped to coordinate the Project for the Integrated Study of Global Change at the University. Worked with scientists from many disciplines to organize and prepare a global change NSF proposal.

1989 - 1990

Managed a staff of seven Resident Assistants in one wing of a 1200 person residence hall. Responsible for staff schedules, reports, and evaluations. Rotated responsibility for the entire building with four other resident directors. Prepared training and other education materials for staff.

1987 - 1988

As a Health Science Research Associate for the Michigan Gastrointestinal Peptide Research Center, performed research on several recombinant DNA (rDNA) projects including: the confirmation and resequencing of a cloned

dog Gastrin molecule; participation in the search for the Gastrin receptor; and the library creation, isolation, cloning, and sequencing of Gastrotropin. This last project was published in the Journal of Biological Chemistry.

RESEARCH ASSISTANT ECOGEN, INC.

1986 - 1987

Research Assistant to the Director of the Molecular Genetics Group of Ecogen, Inc. Characterized the molecular nature of bacterial proteins, which act as natural insecticides. Research included the introduction of transposable elements into *Bacillus thuringiensis* (BT), screening and isolating new strains of BT, cloning of delta-endotoxin genes, and the introduction of new genes into wild-type strains through mating and recombinant DNA techniques. A poster describing his work was presented at a conference on the Genetics and Biotechnology of Bacilli.

RESEARCH ASSISTANT UNIVERSITY OF MICHIGAN

1984 - 1985

As a graduate student, managed the laboratory for Dr. George Jones. Learned molecular biology research and microbiology laboratory techniques. Researched the effects of extrachromosomal elements on antibiotic biosynthesis within *Streptomyces antibioticus*.

VOLUNTEER COORDINATOR FOCUS: HOPE

1984

Supported the volunteer program at Focus: Hope coordinating volunteers and mailings, delivering tours of the facilities, and assisting with a door-to-door campaign in Pontiac, Michigan.

Consulting Project Descriptions

Emergency Response Management, Coordination, and Planning

- Georgia Division of Public Health Internal Operating Procedures (IOPs). Managed a yearlong effort to evaluate the current emergency management system used by the Georgia Division of Public Health (DPH). The Research phase entailed two, weeklong tours of the state meeting with DPH staff and related emergency management organizations. ICF developed a survey and randomly sampled GA counties to better understand their level of preparedness, then prepared an existing conditions report that summarized our findings and outlined our current understanding of the system and identified major deficiencies. ICF developed IOPs for the Division and generic templates for the Districts and Counties, and provided training to over 600 DPH and county staff at the Division and 19 Public Health Districts. (State of Georgia)
- Kuwait Oil Fires. For six weeks, worked in Saudi Arabia, Kuwait, and Bahrain supporting U.S. Government efforts to understand the potential health threats from airborne contaminants from the Kuwait oil fires. Participated in a meeting at Harvard University of national and international scientists who discussed the current state of pollutant and meteorological data and the potential for human health and environmental effects. (EPA/CEPPO)
 - ❖ Emergency Operations Center (EOC) Technical and Administrative Support - Kuwait. For EPA's initial response to the Kuwait oil fires, managed the on-site ICF technical and administrative support staff for the EPA Chemical and Emergency Preparedness and Prevention Office (CEPPO). Staff prepared reports, briefing materials, press releases, and daily incident summaries; attended interagency meetings and prepared issue summaries; coordinated the document filing system; and supported the overall efforts of EPA, other agencies, and the U.S. Interagency Air Assessment Team in Saudi Arabia and Kuwait City. Continued to manage the ICF support during the recovery phase for the EPA Gulf Task Force. (EPA/CEPPO)
 - ❖ EPA Gulf Task Force - Report to Congress. Managed the ICF technical and administrative support for EPA's "Report to Congress on U.S. Gulf Environmental Technical Assistance," the preparation of background documents to support Agency authors, a chronology of major events, editorial comments, and the review process among the key departments and agencies. (EPA/OA/Gulf Task Force)
 - ❖ EPA Gulf Task Force - Report to Congress. Managed ICF support to the Report to Congress on environmental assessments in the Gulf region. ICF reviewed and synthesized three comprehensive reports - prepared by the Regional Organization for the Protection of the Marine Environment (ROPME), King Fahd University of Petroleum and Minerals/Research Institute (KFUPM/RI), and the Saudi Arabian Meteorological and Environmental Protection Administration (MEPA) - describing environmental damage to Kuwait and Saudi Arabia. (EPA/OA/Gulf Task Force)
 - ❖ Environmental Crisis in the Gulf: The U.S. Response. Coordinated a 20-page, four-color booklet entitled, "Environmental Crisis in the Gulf: The U.S. Response." This document was designed to educate the public regarding federal efforts to assist Gulf nations in their response to the oil releases and fires. (EPA/OA/Gulf Task Force)

- Environmental Assessment of Kuwait - Green Cross International. Managed the terrestrial environment section of this assessment by reviewing available literature and visiting Kuwaiti scientists to identify key findings and new research findings. Spent 8 days in Kuwait visiting environmental damage areas and meeting with key scientists and staff from the Kuwait Institute for Scientific Research, University of Kuwait, Kuwait EPA, and the US Embassy. Prepared and attended a presentation for the Smithsonian/ELI conference on the Environmental Consequences of War. Green Cross International is based in Geneva and directed by Mikhail Gorbachev.
- Department Of Energy (DOE) Idaho National Energy Laboratory (INEL) Performance Test. Participated in an exercise that tested DOE emergency response procedures when the Advanced Test Reactor in Idaho goes "critical". Received exercise control training and worked in the DOE Emergency Operations Center in Washington, DC as part of the exercise control team. Played the role of several nuclear-emergency response assets.
- RESPONSE 95. Every two years, the Federal Emergency Management Agency (FEMA) hosts an exercise to test the Federal Response Plan (FRP). RESPONSE 95 tested the FRP using a scenario whereby a hurricane floods New Orleans. Evaluated DOE staff performance under Emergency Support Function 12 (ESF-12 Energy) at the FEMA Regional Operations Center (ROC) in Denton, TX. Completed FEMA Evaluator Training (New Orleans) and DOE player training (Springfield, MO) on the Federal Response Plan, and the role of ESF #12 and DOE as lead agency.
- EOC Technical and Administrative Support - RESPONSE 93 Exercise. EPA activated its EOC for RESPONSE 93, a FEMA-sponsored exercise of the Federal Response Plan. This exercise simulated the local, state, and federal response to a 7.5 earthquake on the Wasatch Fault (Salt Lake City, UT). Co-managed the ICF support to EPA for their simulated response efforts under ESF #10 - Hazardous Materials. Upon completion of the four-day exercise, worked with ICF participants and CEPPO staff to develop recommendations for identified problems. Many of these problems were corrected before or during the Midwest Flood EOC activation.
- Presidential Review - A Review of Federal Authorities for Hazardous Materials Accident Safety (§112(r)(10)). Managed ICF's technical and administrative support to this Review by EPA's Chemical Emergency Preparedness and Prevention Office (CEPPO). Working with EPA and National Response Team workgroups, ICF and CEPPO staff prepared chapters describing: the current accident picture; the history of the U.S. hazardous materials safety system; the statutory and regulatory framework; problems with hazard identification, definition, and classification; contingency planning; emergency response; and recommendations for a second phase of analysis. Worked with a CEPPO staff member to facilitate several meetings to identify overlaps in regulations, focus on proposed solutions, and come to consensus on key areas for further study. (EPA/CEPPO)
- Review of Jamaica's Inland and Marine Contingency Plans. Supported EPA's review of Jamaica's Inland and Marine contingency plans. Using the document National Response Team - 1 (NRT -1) as a guide, ICF compared sections of the Jamaica plan to the NRT sample plan and identified covered, not covered, and incomplete sections. ICF prepared draft suggestions on areas that could be developed or developed more fully to address incidents during the full "life" of hazardous materials.
- EPA Emergency Operations Center (EOC) - Standard Operating Procedures (SOPs). Coordinated the ICF team that re-evaluated the SOPs for the EPA EOC. This document serves as the orientation document for CEPPO staff, other government staff, and contractors prior to and during an EOC activation. Topics covered include:

activation and notification, meeting coordination, information management, incident staffing, and emergency hiring.

- Morris J. Berman Barge Spill — San Juan, PR. Supported EPA and the Emergency Operations Center response to the spill and salvage/sinking of the Morris J. Berman barge. Identified information on sensitive areas surrounding the spill area. Worked with EOC staff to review federal regulations on ocean dumping and ultimately US Coast Guard authority to sink the barge in a deep water munitions dumping site. (EPA/CEPPO)
- CAA Chemical Accident Prevention Provisions - Implementation Strategy. Assisted with the preparation of the CEPPO implementation strategy for the Chemical Accident Prevention provisions of the 1990 Clean Air Act amendments. This work included analyses of national and international accident prevention programs, preparation of workgroup background documents and issue summaries, and participation in workgroup meetings. (EPA/CEPPO)
- CEPPO 101 - Fact Sheets. Worked with CEPPO clients to prepare one and two-page fact sheets covering the following CEPPO programs: National Response System, Catastrophic Disaster planning, National Incident Coordination Team, Emergency Operations Center, Clean Air Act accidental release provisions, ARIP, joint response planning, CAMEO, Oil Pollution Act implementation, and HMTUSA. (EPA/CEPPO)
- LandView Training. Managed the LandView Training and other support to the Chemical Emergency Preparedness and Prevention Office. LandView II was a newly released set of 11 CD-ROMs, developed as an environmental atlas and right-to-know tool, that contain Bureau of Census street map, boundary, and demographic data; selected EPA-regulated site data from AIRS, BRS, CERCLIS, PCS, and TRI; and simple GIS (mapping) software to view these data. Presented four one-day, train-the-trainer sessions to EPA regional staff in Chicago, Denver, New York, and Edison, NJ. Other data sets that can be spatially located (e.g., latitude/longitude) can be readily imported into the system. Currently developing the training materials for LandView III, (the Windows version).
- CAMEO Workshop. Managed the ICF support to EPA/CEPPO for this lecture and hands-on training workshop that was attended by 600 emergency response personnel. (EPA/CEPPO)
- EPA Special Preparedness Workshop. Prepared background materials for and facilitated two sessions on Regional Incident Coordination Teams. This meeting brought together representatives from EPA headquarters and regional offices to discuss flood preparedness and recent incidents including the Midwest floods and Northridge earthquake. (EPA/CEPPO)
- Midwest Floods - Short- and Long-Term Monitoring. Managed ICF's support to EPA in its efforts to develop short- and long-term monitoring strategies for several workgroups (i.e., air, water, hazardous waste) and coordinate Agency efforts with those of other federal agencies (e.g., USGS, FWS, USACE, OSTP). (EPA/CEPPO)
- Training and Outreach Materials. Conducted research to prepare a list of training and outreach materials available from EPA, other federal departments and agencies, and public and private sector organizations on: hazards awareness, emergency planning and preparedness, chemical accident prevention/pollution prevention, hazardous waste management, and public education. (EPA/CEPPO)

Evaluation of Federal and State Programs

- Evaluation of Episodic Control Programs. Managed the support to the EPA Office of Mobile Sources to better understand voluntary seasonal/episodic control programs across the nation. Developed a survey instrument and surveyed staff in 30 areas to identify how their programs were developed, are funded, and have been evaluated. Prepared a more detailed analysis of five areas using available data on costs and benefits. Participated in the Voluntary Ozone Control conference in Indianapolis, IN and facilitated a one-day meeting with EPA and National Association of Regional Councils (NARC) stakeholders. Currently preparing a best practices document, "Community Action Programs: Blueprint for Program Design." (EPA/OMS)
- Clean Air Act (CAA) Tribe Rule - Comment Summary Document. Managed efforts to prepare a summary document with comments received about EPA's proposed rule to treat tribes "in a manner similar to States." (EPA/OAR)
- Summary of State Implementation of CAA §112(r) or (l). On a quarterly basis, ICF collected information on the status of each state's efforts to implement CAA §112(r) or (l). This information was integrated into an update table, in addition to a full report that contained the summary of each quarterly contact. (EPA/CEPPO)

Federal Advisory Committee Support

- Clean Air Act Advisory Committee (CAAAC) and Subcommittee/Workgroup Support. Co-Managed the ICF support to the CAAAC FACA. Prepare summaries of the full committee and subcommittee meetings from meeting notes and tapes. Co-Managed the ICF support to the Mobile Source Subcommittee of the CAAAC FACA. The subcommittee has formed workgroups to focus on the MOBILE 6 model, heavy-duty engines (NOx and fuels), in-use deterioration, reformulated gasoline, laboratory upgrade, and the vehicle certification programs. Mr. Naud attends meetings of the modeling, lab upgrade, and heavy-duty engine and fuels groups and prepares meeting summaries. (EPA/OPAR)
 - National Environmental Justice Advisory Council (NEJAC). Provided technical and administrative support to the NEJAC at their public meeting in Atlanta, GA. (EPA/OEJ)
 - Acid Rain Advisory Committee (ARAC). Part of the ICF team providing support to the ARAC Federal Advisory Committee. Prepared summaries of the full committee from meeting notes and transcripts. (EPA/ARD)
- Clean Air Marketplace Presentation. Prepared a briefing on the Clean Air Marketplace for the EPA Office of Policy Analysis and Review: described the history of the CAA, major changes in the 1990 Clean Air Act Amendments (CAAA), business opportunities and market information for major CAAA titles, and key innovations/technology needs. (EPA/OPAR)
- Clean Air Marketplace Conference and Exhibition - 1993 and 1992. Managed the ICF support for a two-day conference in 1993 and 1992 focusing on compliance challenges and new business opportunities arising from the Clean Air Act (CAA) amendments of 1990. (EPA/OPAR)
- President's Council on Sustainable Development - Eco-Efficiency Task Force Primer. Prepared sections of this primer for the President's Council on Sustainable Development - Eco-Efficiency Task Force (EETF). Using

PTS Prompt and ABI Inform databases, articles were identified and reviewed for relevance to the EETF work plan and exemplary projects were summarized and organized for the primer.

Design and Implementation of Public and Environmental Health Projects

- Long- and Short- Term Acid Rain Implementation Strategy. Assisted ARD in the preparation of their long- and short-term implementation strategy soon after enactment of the CAA amendments. This work included several quick turnaround assignments and preparation of an extensive briefing package, outlining 20-year implementation time lines, key issues, and key implementation steps related to SO₂/NO_x allowances and allocations, emissions monitoring, permits, program evaluation, and international acid rain efforts. (EPA/ARD)
- Acid Rain Program Information Materials. Prepared graphics for ARD briefing materials, reports, and ARAC slide presentations. Each of these projects occurred soon after the enactment of the CAA amendments and required quick turnaround. (EPA/ARD)
- Market Analysis of International Air Pollution Control Industry. Prepared parts of a qualitative analysis of the international market for air pollution control equipment. Surveyed literature sources, interviewed federal and international sources, and prepared supporting documents for the ICF Resources/Smith Barney report, "Business Opportunities of the New Clean Air Act: The Impact of the CAA of 1990 on the Air Pollution Control Industry." (EPA/OPAR)
- Alternative Fuels Fleet Program. Worked with an ICF team to estimate the number and distribution of automobile fleets within ozone and carbon monoxide nonattainment areas. Identification of data from both public and private sources and survey design were key elements of this project. (EPA/OMS)
- National Contingency Plan (NCP) Product Schedule. Managed the ICF support to the EPA Emergency Response Division (ERD) for the NCP Product Schedule - a schedule of dispersants, other chemicals, and other spill mitigating devices and substances that maybe used in carrying out the NCP. ICF supports ERD in maintaining and updating the NCP Product Schedule and Notebook, including review of submitted product data and preparation of technical bulletins. (EPA/ERD)
- Wood Treater Site Presumptive Remedies. Supported ERD in their effort to establish presumptive remedies for wood treater sites. Evaluated Record of Decisions (RODs) for 17 sites to identify use patterns of remedial technologies. Prepared a list of 98 known wood treater sites to begin to gather performance data on presumptive remedy and other technologies. Visited a state-lead Superfund wood treater site and an active wood treating facility.
- Superfund - Remedial Technology Patterns. Part of a team examining patterns of remedial technologies at Superfund sites. This project entailed statistical and qualitative analyses of factors associated with the use of specific remedial technologies. A fundamental requirement of the project was the presentation of complex technical information in an understandable graphic format.
- Population Effects Associated with Superfund Sites. Part of an ICF team that estimated the size and extent of populations potentially affected by Superfund sites. This work included estimating populations affected by separate exposure pathways from sample data, including available site characteristics, risk assessment data, and GIS information. (EPA/OSW)

Information Management Systems

- CEPPO - CONTACTS database. Assisted in the early planning, debugging, and data entry stages of development. This database allows CEPPO easy access to information on key response personnel, their associated expertise, and organized groups of specialized personnel.
- Accident Database User's Guide. Managed the initial work assignment to develop a guide to federal accident databases. Reviewed federal accident reporting systems, preparing descriptions of each, analyzing the capability to combine or compare data from different sources, and other analyses. (EPA/CEPPO)
- Clean Air Marketplace (CLAM) Project and Technologies Data Base. Managed the team that developed a custom, automated database to store "bullets" of information on technical innovations, discrete projects, joint ventures, and export opportunities associated with the Clean Air Act Amendments of 1990 and air pollution control technologies. The database allows OPAR and other users to search for specific items or categories of information. (EPA/OPAR)
- Acid Rain Program - UNITS database. Coordinated the creation of an emissions monitoring database to track affected utilities and boilers, and emission monitoring equipment. (EPA/ARD)Scientific Research

Scientific Research

- Gastrointestinal Hormone Research. As a Health Science Research Associate for the Michigan Gastrointestinal Peptide Research Center, performed research on several recombinant DNA (rDNA) projects including: the confirmation and resequencing of a cloned dog Gastrin molecule; participation in the search for the Gastrin receptor; and the library creation, isolation, cloning, and sequencing of Gastrotropin. This last project was published in the Journal of Biological Chemistry.
- Natural Pesticide Research. Research Assistant to the Director of the Molecular Genetics Group of Ecogen, Inc. Characterized the molecular nature of bacterial proteins, which act as natural insecticides. Research included the introduction of transposable elements into *Bacillus thuringiensis* (BT), screening and isolating new strains of BT, cloning of delta-endotoxin genes, and the introduction of new genes into wild-type strains through mating and recombinant DNA techniques. A poster describing his work was presented at a conference on the Genetics and Biotechnology of Bacilli.
- Antibiotic Biosynthetic Genes. As a graduate student, researched the effects of extrachromosomal elements on antibiotic biosynthesis within *Streptomyces antibioticus*.

Publications

[QR111 Public Health Emergency Response: Evaluation of Implementation of a New Emergency Management System for Public Health in the State of Georgia](http://www.colorado.edu/hazards/gr/gr111/gr111.html). Lora S. Werner, Matt Naud, and Anita Kellogg, 1999. 1/8/99 (<http://www.colorado.edu/hazards/gr/gr111/gr111.html>)

ENVIRONMENTAL LEGACIES OF THE GULF WAR: A CASE STUDY OF KUWAIT SEVEN YEARS LATER, Denis Ody, Dr. Reinhard Kaiser, Matthew Naud, Dr. Mark Vine, and Dr. Paul Walker, 1998 – Prepared for Green Cross

International, presented at the [Environmental Law Institute](#) First International Conference on Addressing Environmental Consequences of War.

- [WorldWatch Institute Article](#) on War and the Environment
- [ABC News](#)

"Gastrotropin: Not an Enterotoxin but a Member of a Family of Cytoplasmic Hydrophobic Ligand Binding Proteins," Ira Gantz, Steven F. Nothwehr, Michael Lucey, James C. Sacchettini, John DelValle, Leonard J. Banaszak, Matthew Naud, Jeffrey I. Gordon, Tadataka Yamada, published in [The Journal of Biological Chemistry](#), December 5, 1989.

Poster

"Mobilization of Cloned Delta-Endotoxin Genes into *Bacillus thuringiensis*," Gawron-Burke, C., Naud, M., VonTersch, M., Loidl, H., and Groat, R. The Fourth International Conference on Genetics and Biotechnology of Bacilli, San Diego, CA, 1987

Employment History

City of Ann Arbor	Environmental Coordinator	2001- Present
Dixboro Consulting Group	Consultant	1999-2001
ICF Kaiser	Project Manager	1995-1999
ICF Kaiser	Senior Associate	1992-1995
ICF Kaiser	Associate	1990-1992
The University of Michigan	Resident Director	1989-1990
The University of Michigan	Research Associate	1988-1990
The University of Michigan	Research Associate	1987-1988
Ecogen, Inc.	Research Assistant	1986-1987
The University of Michigan	Research Assistant	1985-1986
Focus:HOPE	Community Outreach	1984

For More Information:

Exemption 6
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